



# **PUBLIC DISCLOSURE STATEMENT**

MARC & CO.  
ORGANISATION CERTIFICATION  
CY2021

Australian Government


# Climate Active Public Disclosure Statement

MARC & CO



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Munro Architects Pty Ltd (trading as Marc & Co)
REPORTING PERIOD	1 January 2021– 31 December 2021 Arrears report
DECLARATION	<p><i>To the best of my knowledge, the information provided in this public disclosure statement is true and correct and meets the requirements of the Climate Active Carbon Neutral Standard.</i></p>  <p>Rachael Gwaro Partner 30.11.22</p>



**Australian Government**  
**Department of Industry, Science,  
Energy and Resources**

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Version September 2021. To be used for FY20/21 reporting onwards.

# 1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	30t CO <sub>2</sub> -e
OFFSETS BOUGHT	30 VCU's
RENEWABLE ELECTRICITY	48.19%
TECHNICAL ASSESSMENT	30/11/2022 Josh Prado Pangolin Associates Next technical assessment due: CY2024
THIRD PARTY VALIDATION	Type 1 08/12/2022 Benjamin Jenkins GPP Audit

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## 2. CARBON NEUTRAL INFORMATION

### Description of certification

This inventory has been prepared for the calendar year from 1 January 2021 to 30 December 2021 and covers the Australian operations of Munro Architects Pty Ltd, trading as Marc & Co. The organisational structure of Marc & Co is a single entity under the one ABN 16009893636. The operational boundary has been defined based on an operational control test, in accordance with the principles of the National Greenhouse and Energy Reporting Act 2007

the methods used for collating data, performing calculations and presenting the carbon account are in accordance with the following standards:

- Climate Active Standards
- The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
- National Greenhouse and Energy Reporting (Measurement) Determination 2008

Where possible, the calculation methodologies and emission factors used in this inventory are derived from the National Greenhouse Accounts (NGA) Factors in accordance with "Method 1" from the National Greenhouse and Energy Reporting (Measurement) Determination 2008.

### Organisation description

Marc & Co is a Brisbane based architectural firm, delivering project-specific outcomes. Ongoing interests include; living in subtropical climates; buildings that set urban precedents; the experience of space and materials through contrasts; the connection and framing of landscape.

Marc & Co has an invested interest in sustainability and approaching building designs with longevity to create sustained value to its inhabitants, our clients and communities.

*"Becoming Climate active is important to our company so we can continue to contribute in a meaningful way and further improve and sustain our environment."*

## 3.EMISSIONS BOUNDARY

This is a small organisation certification, which uses the standard Climate Active small organisation emissions boundary. Emission sources can be excluded if they do not occur.

### Inside the emissions boundary

All emission sources listed in the emissions boundary are part of the carbon neutral claim.

**Quantified emissions** have been assessed as relevant and are quantified in the carbon inventory. This may include emissions that are not identified as arising due to the operations of the certified entity, however, are **optionally included**.

**Non-quantified emissions** have been assessed as relevant and are captured within the emissions boundary but are not measured (quantified) in the carbon inventory. All material emissions are accounted for through an uplift factor. Further detail is available at Appendix C.

### Outside the emissions boundary

**Excluded emissions** are those that have been assessed as not relevant to an organisation's or precinct's operations and are outside of its emissions boundary or are outside of the scope of the certification. These emissions are not part of the carbon neutral claim. Further detail is available at Appendix D.

## Inside emissions boundary

### Quantified

Accommodation

Cleaning and Chemicals

Climate Active Carbon  
Neutral Products and  
Services

Electricity

Food

ICT services and equipment

Office equipment & supplies

Postage, courier and freight

Professional Services

Refrigerants

Stationary Fuels

Transport (Air)

Transport (Land and Sea)

Waste

Water

### Non-quantified

N/A

### Optionally included

N/A

## Outside emission boundary

### Excluded

## Data management plan for non-quantified sources

There are no non-quantified sources in the emission boundary that require a data management plan.

## 4.EMISSIONS REDUCTIONS

### Emissions reduction strategy

Marc & Co's first year/base year assessing our carbon footprint has reported emissions of 29.53tCO<sub>2</sub>-e during the CY2021. In order to reduce our total emissions by 30% over a 10 year period we will be aim to reduce by a minimum of 3% each year, or 0.9tCO<sub>2</sub>-e.

For the CY2021 reporting period Marc & Co's emissions summary shows the most substantial part of the footprint in base building utilities apportioned to the tenancy. Focusing on the areas of high impact Marc & Co will undertake targeted initiatives which will aim to reduce the Base Building carbon and operations footprint. Marc & Co will:

- Engage with the landlord and petitioning for renewably sourced energy
- Assess light source energy output and switch to energy-saving light bulbs where possible
- With our use of paper supply from Reflex which is a carbon neutral good has ensured lower emissions within this category. Therefore we will look into using other carbon neutral services and suppliers for all mandatory emissions from activities under our direct control such as office paper consumption, postage.
- Assessment of appliances and their refrigerants, switch to more energy efficient options.
- Host organisational information sessions providing staff with climate change action knowledge and information to encourage a reduction in their individual emissions including in their commute, waste, and water usage

We will continue to measure and report emissions from these significant categories and communicate our expectations and emission reduction objectives to our clients and industry peers.

Marc & Co's emissions reduction strategy is committed to:

- Reduce energy intensity by 20% by CY30 against a 2021 baseline
- Reducing refrigerants by 5% by CY30 against a 2021 baseline
- Reducing transport emissions 5% by against a 2021 baseline

## 5.EMISSIONS SUMMARY

### Organisation emissions summary

The electricity summary is available in the Appendix B. Electricity emissions were calculated using a market-based approach.

Emission category	Sum of Scope 1 (tCO <sub>2</sub> -e)	Sum of Scope 2 (tCO <sub>2</sub> -e)	Sum of Scope 3 (tCO <sub>2</sub> -e)	Sum of total emissions (tCO <sub>2</sub> -e)
Accommodation and facilities	0.00	0.00	0.00	0.00
Climate Active Carbon Neutral Products and Services	0.00	0.00	0.00	0.00
Cleaning and Chemicals	0.00	0.00	0.00	0.00
Electricity	0.00	19.15	0.00	19.15
Food	0.00	0.00	1.11	1.11
ICT services and equipment	0.00	0.00	1.58	1.58
Office equipment & supplies	0.00	0.00	0.05	0.05
Postage, courier and freight	0.00	0.00	0.00	0.00
Professional Services	0.00	0.00	0.31	0.31
Refrigerants	2.10	0.00	0.00	2.10
Stationary Fuels	0.00	0.00	0.00	0.00
Transport (Air)	0.00	0.00	0.00	0.00
Transport (Land and Sea)	0.83	0.00	1.07	1.90
Waste	0.00	0.00	0.11	0.11
Water	0.00	0.00	1.81	1.81
<b>Total</b>	<b>2.93</b>	<b>19.15</b>	<b>6.04</b>	<b>28.13</b>

### Use of Climate Active carbon neutral products and services

During CY2021, Marc & Co. purchased Climate Active certified carbon neutral paper through Opal.

### Uplift factors

An uplift factor is an upwards adjustment to the total carbon inventory to account for relevant emissions, which can't be reasonably quantified or estimated. This conservative accounting approach helps ensure the integrity of the carbon neutral claim.

Reason for uplift factor	tCO <sub>2</sub> -e
Mandatory small organisation uplift factor of 5%	1.41
<i>Total footprint to offset (uplift factors + net emissions)</i>	29.53



## 6.CARBON OFFSETS

### Offsets strategy

#### Offset purchasing strategy: In arrears

1.	Total offsets previously forward purchased and banked for this report	0
2.	Total emissions liability to offset for this report	30
3.	Net offset balance for this reporting period	30
4.	Total offsets to be forward purchased to offset the next reporting period	0
5.	Total offsets required for this report	30

### Co-benefits

## Offsets summary

Offsets cancelled for Climate Active Carbon Neutral Certification											
Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Stapled quantity	Eligible quantity (tCO <sub>2</sub> -e)	Eligible quantity used for previous reporting periods	Eligible quantity banked for future reporting periods	Eligible quantity used for this reporting period	Percentage of total (%)
Midilli Hydroelectric Power Plant; stapled with	VCUs	Verra	28/11/2022	<a href="#">12432-410603917-410603946-VCS-VCU-290-VER-TR-1-1330-01012016-31122016-0</a>	2016	30	30	0	0	30	100%
Greenfleet Biodiversity credits	Greenfleet	Greenfleet	25/11/2022	-	-	30	0	0	0	0	-
Total offsets retired this report and used in this report										30	
Total offsets retired this report and banked for future reports										0	

Type of offset units	Quantity (used for this reporting period claim)	Percentage of total
Verified Carbon Units (VCUs)	30	100%

## 7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

### Renewable Energy Certificate (REC) summary

N/A

## APPENDIX A: ADDITIONAL INFORMATION

Marc & Co has also purchased an additional 30 tonnes of biodiversity offsets through Greenfleet. Greenfleet is a leading Australian not-for-profit environmental organisation on a mission to protect our climate by restoring forests. Greenfleet forests address critical deforestation, restore habitat for wildlife including many endangered species, capture carbon emissions to protect our climate, reduce soil erosion, improve water quality, and economically support local and indigenous communities.



**This is to certify**

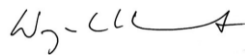
**Marc&Co Architects**

offset 30.00 tonnes of CO<sub>2</sub>-e with Greenfleet.

Your support will help us restore native forests and ecosystems, which provide crucial habitat for endangered wildlife, help counter the devastating impact of the bushfires, and reduce the impacts of climate change.

Greenfleet will plant enough biodiverse native trees on your behalf to offset these emissions.

Thank you for helping us grow our forests and grow climate hope.



**Wayne Wescott** | Greenfleet CEO

25/11/2022

# Thank you

## APPENDIX B: ELECTRICITY SUMMARY

Electricity emissions are calculated using market-based approach.

The market-based method provides a picture of a business's electricity emissions in the context of its renewable energy investments. It reflects the emissions intensity of different electricity products, markets and investments. It uses a residual mix factor (RMF) to allow for unique claims on the zero emissions attribute of renewables without double-counting.

### Market Based Approach Summary

Market Based Approach	Activity Data (kWh)	Emissions (kgCO <sub>2</sub> e)	Renewable Percentage of total
Behind the meter consumption of electricity generated	0	0	0%
<b>Total non-grid electricity</b>	<b>0</b>	<b>0</b>	<b>0%</b>
LGC Purchased and retired (kWh) (including PPAs & Precinct LGCs)	0	0	0%
GreenPower	11,025	0	30%
Jurisdictional renewables (LGCs retired)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	6,894	0	19%
Residual Electricity	19,264	19,155	0%
<b>Total grid electricity</b>	<b>37,183</b>	<b>19,155</b>	<b>48%</b>
<b>Total Electricity Consumed (grid + non grid)</b>	<b>37,183</b>	<b>19,155</b>	<b>48%</b>
Electricity renewables	17,919	0	
Residual Electricity	19,264	19,155	
<b>Exported on-site generated electricity</b>	<b>0</b>	<b>0</b>	
Emissions (kgCO <sub>2</sub> e)		19,155	
<b>Total renewables (grid and non-grid)</b>	<b>48.19%</b>		
<b>Mandatory</b>	<b>18.54%</b>		
<b>Voluntary</b>	<b>29.65%</b>		
<b>Behind the meter</b>	<b>0.00%</b>		
<b>Residual Electricity Emission Footprint (TCO<sub>2</sub>e)</b>	<b>19</b>		
<i>Figures may not sum due to rounding. Renewable percentage can be above 100%</i>			

## Location Based Approach Summary

Location Based Approach	Activity Data (kWh)	Scope 2 Emissions (kgCO <sub>2</sub> e)	Scope 3 Emissions (kgCO <sub>2</sub> e)
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
VIC	0	0	0
QLD	37,183	29,746	4,462
NT	0	0	0
WA	0	0	0
TAS	0	0	0
<b>Grid electricity (scope 2 and 3)</b>	<b>37,183</b>	<b>29,746</b>	<b>4,462</b>
ACT	0	0	0
NSW	0	0	0
SA	0	0	0
VIC	0	0	0
QLD	0	0	0
NT	0	0	0
WA	0	0	0
TAS	0	0	0
<b>Non-grid electricity (Behind the meter)</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Electricity Consumed</b>	<b>37,183</b>	<b>29,746</b>	<b>4,462</b>
<b>Emission Footprint (TCO<sub>2</sub>e)</b>	<b>34</b>		
<i>Scope 2 Emissions (TCO<sub>2</sub>e)</i>	30		
<i>Scope 3 Emissions (TCO<sub>2</sub>e)</i>	4		

## APPENDIX C: INSIDE EMISSIONS BOUNDARY

### Non-quantified emission sources

The following sources emissions have been assessed as relevant, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. These emissions are accounted for through an uplift factor. They have been non-quantified due to one of the following reasons:

1. **Immaterial** <1% for individual items and no more than 5% collectively
2. **Cost effective** Quantification is not cost effective relative to the size of the emission but uplift applied.
3. **Data unavailable** Data is unavailable but uplift applied. A data management plan must be put in place to provide data within 5 years.
4. **Maintenance** Initial emissions non-quantified but repairs and replacements quantified.

Relevant-non-quantified emission sources	(1) Immaterial	(2) Cost effective (but uplift applied)	(3) Data unavailable (but uplift applied & data plan in place)	(4) Maintenance
N/A	N/A	N/A	N/A	N/A

## APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

### Excluded emission sources

The below emission sources have been assessed as not relevant to an organisation's or precinct's operations and are outside of its emissions boundary. These emissions are not part of the carbon neutral claim. Emission sources considered for relevance must be included within the certification boundary if they meet two of the five relevance criteria. Those which only meet one condition of the relevance test can be excluded from the certification boundary.

Emissions tested for relevance are detailed below against each of the following criteria:

1. **Size** The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions
2. **Influence** The responsible entity has the potential to influence the reduction of emissions from a particular source.
3. **Risk** The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.
4. **Stakeholders** Key stakeholders deem the emissions from a particular source are relevant.
5. **Outsourcing** The emissions are from outsourced activities previously undertaken within the organisation's boundary, or from outsourced activities typically undertaken within the boundary for comparable organisations.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
N/A	N/A	N/A	N/A	N/A	N/A	N/A



